

# Acquisition Reform Success Story



## TRANSLATED GLOBAL POSITIONING SYSTEM (GPS) RANGE SYSTEM (TGRS)

**System Program Director:** Lt Col Greg Kuntz  
**Program Manager:** Ms. Tanya Lambert  
**DAC:** Lt Gen Eickmann  
**Contractor:** Interstate Electronics Corporation  
**Contractor PM:** Mr. Jim Levin

### Program Description

The TGRS project provides engineering, development and initial test sets of a new generation of Time Space Position Information (TSPI) instrumentation based on GPS technology to meet joint Service requirements. TGRS is composed of an airborne Digital GPS Translator (DGT) subsystem and a GPS Translator Processor (GTP) subsystem. TGRS will have line-of-sight (LOS) and over-the-horizon (OTH) tracking capability. TGRS will also provide the capability for both the real-time TSPI and optional recording of raw data (pre-track signals) for enhanced postflight trajectory analysis and other uses. Also, the DGT and the GTP will provide optional encryption/decryption capability for secure transmission of RF signals.

### How Streamlining Made a Difference

By eliminating/reducing Military Specifications (MIL-SPECS) and Military Standards (MIL-STDS) and allowing the contractor to propose the System Specification, the contractor was given complete freedom to propose the most cost effective, technically feasible approach for meeting the program requirements. As a result, commercial off-the-shelf (COTS) equipment will be used extensively to reduce cost to the program.

Measure	From	To
Pre-Detect Recorder Hardware	\$550k	\$91k
GTP Display Hardware	\$41k	\$16k

**Bottom Line:** By implementing best commercial practices throughout the program in the place of MIL-SPECS and MIL-STDS, a significant reduction in recurring costs will be realized to the system users and throughout the life of the contract.